

Session Program

17-21 Oct 2022

FIPs 2022 Workshop

Light (MeV-GeV) dark matter: theory and experiments

CERN, 500/1-001 - Main Auditorium

Wednesday 19 October

14:00

Light (MeV-GeV) dark matter: theory and experiments

Session | **Location:** CERN, 500/1-001 - Main Auditorium | **Conveners:** Felix Kahlhoefer, Bertrand Echenard

14:00–14:30

Light Dark Matter in the MeV-GeV range: what we know from astroparticle and cosmology

Speaker

Prof. Celine Boehm

14:30–15:00

Light Dark Matter in the MeV-GeV range: overview of indirect detection searches

Speaker

Francesca Calore

15:00–15:30

Light (MeV-GeV) DM and related mediators: Theory overview

Speaker

Natalia Toro

15:30–16:00

Coffee Break

16:00–16:20

Search for light DM at NA64 with high intensity electron and muon beams: status & prospects at CERN

Speaker

Paolo Crivelli

16:20–16:40

Search for light DM with extracted beams: prospects at JLAB

Speaker

Marco Andrea Battaglieri

16:40–17:00

Status and prospects for light DM and mediator searches at Belle II

Speaker

Christopher Hearty

17:00–17:15

Search for light DM and mediators : results and prospects at FNAL

Speaker

Nhan Tran

17:15–17:35

Search for light DM with primary electron beams: prospects at SLAC

Speaker

Ruth Pottgen

17:35–17:50

Status and prospects at CERN: FASER

Speaker

Claire Antel

17:50–18:10

Prospects at CERN: the Forward Physics Facility

19:30

Speaker
Felix Kling

Thursday 20 October

13:30

Light (MeV-GeV) dark matter: theory and experiments

Session | **Location:** CERN, 500/1-001 - Main Auditorium | **Conveners:** Torben Ferber, Bertrand Echenard

13:30–13:50

Light DM in the MeV-GeV range: results and prospects at ATLAS, CMS, LHCb

Speaker

Philip Coleman Harris

13:50–14:05

Prospects at CERN: FACET

Speaker

Caglar Zorbilmez

14:05–14:25

Prospects at CERN: MATHUSLA, CODEX-b, ANUBIS

Speaker

Biplad Dey

14:25–14:40

SHiP project at the Beam Dump Facility: status and prospects

Speaker

Andrei Golutvin

14:40–14:55

FIP results at NA62 and prospects with HIKE

Speaker

Evgueni Goudzovski

14:55–15:10

SHADOWS project at CERN: status and prospects

Speaker

Alessandro Paoloni

15:10–15:25

Search for FIPs at DESY: status and prospects with LUXE

Speaker

Nicolo Trevisani

15:25–15:40

Search for light DM and mediators at LNF: PADME

Speaker

Mauro Raggi

15:40–16:00

Light (MeV-GeV) dark matter: the Snowmass approach

Speaker

Stefania Gori

16:00–16:20

Light (MeV-GeV) dark matter: the FIP Physics Centre approach

Speaker

Gordan Krnjaic

16:20–16:50

Coffee Break

16:50